

CHAPTER 6 LESSON 3A HOMEWORK
Rates and Unit Rates

Name: _____

Date: _____ Math: _____

Directions: Complete each problem. Show all work and follow any specified methods of solving.

1. Explain why the ratio of 3 boys for every 5 girls is not considered a rate.

2. Explain why a car's gas mileage of 3 gallons for every 5 miles is considered a rate.

3. John runs 6 miles in 42 minutes.

A. What is his speed in miles per minute?

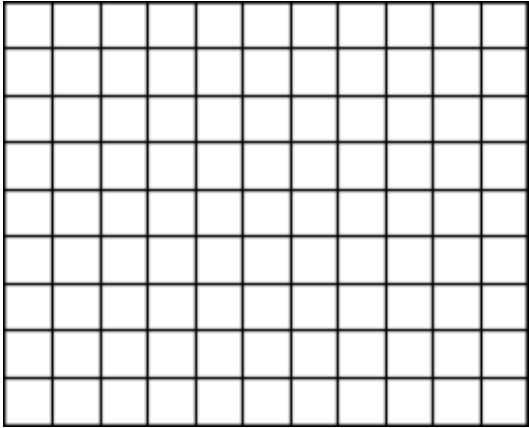
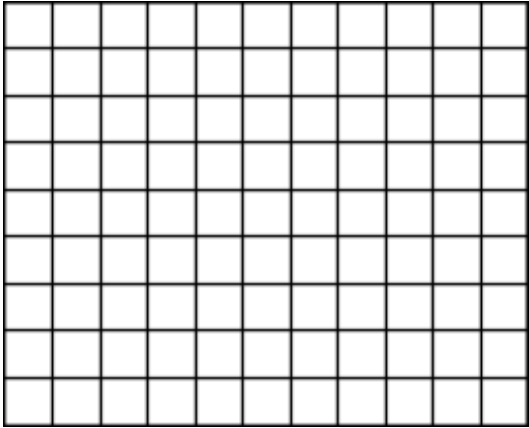
B. What is his speed in minutes per mile?

4. Erin earned \$525 for 21 hours of work.

A. What is her hourly wage?

B. Bill says that she will earn \$175 for 7 hours of work. Is he correct? Why or why not?

5. For each given unit rate, fill in the table and use the table to create a graph for that rate.

Apples cost \$2 per pound at the orchard.		Apples cost \$3 per pound at the store.																	
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6. For each graph, write an equation to represent the relationship between the number of pounds and the price being paid.

Orchard: _____

Store: _____